

the base level are vehicle configuration(s) which are intended for sale at high altitude, the Administrator may use fuel economy data from tests conducted on these vehicle configuration(s) at high altitude to calculate the fuel economy for the base level.

(7) For alcohol dual fuel automobiles and natural gas dual fuel automobiles, the procedures of paragraphs (a)(1) through (6) of this section shall be used to calculate two separate sets of city, highway, and combined fuel economy values for each base level.

(i) Calculate the city and highway fuel economy values from the tests performed using gasoline or diesel test fuel.

(ii) If 5-cycle testing was performed on the alcohol or natural gas test fuel, calculate the city and highway fuel economy values from the tests performed using alcohol or natural gas test fuel.

(b) *Model type.* For each model type, as determined by the Administrator, a city and highway fuel economy value will be calculated by using the projected sales and fuel economy values for each base level within the model type. Separate model type calculations will be done based on the vehicle configuration fuel economy values as determined in § 600.207-08, as applicable.

(1) If the Administrator determines that automobiles intended for sale in the State of California are likely to exhibit significant differences in fuel economy from those intended for sale in other states, he will calculate fuel economy values for each model type for vehicles intended for sale in California and for each model type for vehicles intended for sale in the rest of the states.

(2) The sales fraction for each base level is calculated by dividing the projected sales of the base level within the model type by the projected sales of the model type and rounding the quotient to the nearest 0.0001.

(3) The 5-cycle city fuel economy values of the model type (calculated to the nearest 0.0001 mpg) are determined by dividing one by a sum of terms, each of which corresponds to a base level and which is a fraction determined by dividing:

(i) The sales fraction of a base level; by

(ii) The 5-cycle city fuel economy value for the respective base level.

(4) The procedure specified in paragraph (b)(3) of this section is repeated in an analogous manner to determine the highway and combined fuel economy values for the model type.

(5) For alcohol dual fuel automobiles and natural gas dual fuel automobiles the procedures of paragraphs (b)(1) through (4) of this section shall be used to calculate two separate sets of city and highway fuel economy values for each model type.

(i) Calculate the city and highway fuel economy values from the tests performed using gasoline or diesel test fuel.

(ii) Calculate the city, highway, and combined fuel economy values from the tests performed using alcohol or natural gas test fuel, if 5-cycle testing was performed on the alcohol or natural gas test fuel. Otherwise, the procedure in § 600.210(a)(3) or (b)(3) applies.

[71 FR 77946, Dec. 27, 2006]

**§ 600.209-85 Calculation of fuel economy values for labeling.**

(a) For the purposes of calculating the city model type fuel economy value for labeling the manufacturer shall:

(1) *For general labels* multiply the city model type fuel economy value determined in § 600.207(b), by 0.90, rounding the product to the nearest whole mpg, or

(2) *For specific labels* multiply the city fuel economy value determined in § 600.206(a)(iii), by 0.90, rounding the product to the nearest whole mpg, and

(b) For the purposes of calculating the highway model type fuel economy value for labeling the manufacturer shall:

(1) *For general labels* multiply the highway model type fuel economy value determined in § 600.207(b) by 0.78, rounding the product to the nearest whole mpg, or

(2) *For specific labels* multiply the highway fuel economy value determined in § 600.206(a)(iii) by 0.78.

(c) If the resulting city value determined in paragraph (a) of this section exceeds the resulting highway value

determined in paragraph (b) of this section, the city value will be set equal to the highway value.

(d)(1) The combined fuel economy for a model type, to be used in determining annual fuel costs under § 600.308(c), is determined (except as provided for in paragraph (d)(2) of this section), by harmonically averaging the unrounded city and highway values, determined in § 209 (a) and (b), weighted 0.55 and 0.45 respectively, and rounded to the nearest whole mpg. (An example of this calculation procedure appears in appendix II of this part).

(2) If the resulting city value determined in paragraph (a) of this section exceeds the resulting highway value determined in paragraph (b) of this section, the combined fuel economy will be set equal to the highway value, rounded to the nearest whole mpg.

[49 FR 13845, Apr. 6, 1984, as amended at 49 FR 48149, Dec. 10, 1984]

**§ 600.209-95 Calculation of fuel economy values for labeling.**

(a) For the purposes of calculating the city model type fuel economy value for labeling the manufacturer shall:

(1)(i) For general labels for gasoline-fueled, diesel-fueled, alcohol-fueled, and natural gas-fueled automobiles multiply the city model type fuel economy value determined in § 600.207 (b), by 0.90, rounding the product to the nearest whole mpg; or

(ii) For general labels for alcohol dual fuel and natural gas dual fuel automobiles:

(A) Multiply the city model type fuel economy calculated from the tests performed using gasoline or diesel test fuel as determined in § 600.207 (b)(5)(i) by 0.90, rounding the product to the nearest whole mpg; and

(B) Multiply the city model type fuel economy calculated from the tests performed using alcohol or natural gas test fuel as determined in § 600.207 (b)(5)(ii) by 0.90, rounding the product to the nearest whole mpg; or

(2)(i) For specific labels for gasoline-fueled, diesel-fueled, alcohol-fueled, and natural gas-fueled automobiles, multiply the city model type fuel economy value determined in § 600.206 (a)(2)(iii), by 0.90, rounding the product to the nearest whole mpg; or

(ii) For specific labels for alcohol dual fuel and natural gas dual fuel automobiles:

(A) Multiply the city model type fuel economy calculated from the tests performed using gasoline or diesel test fuel as determined in § 600.206 (a)(2)(iii) and (4)(i) by 0.90, rounding the product to the nearest whole mpg; and

(B) Multiply the city model type fuel economy calculated from the tests performed using alcohol or natural gas test fuel as determined in § 600.206 (a)(2)(iii) and (4)(ii) by 0.90, rounding the product to the nearest whole mpg.

(b) For the purposes of calculating the highway model type fuel economy value for labeling the manufacturer shall:

(1)(i) For general labels for gasoline-fueled, diesel-fueled, alcohol-fueled, and natural gas-fueled automobiles, multiply the highway model type fuel economy value determined in § 600.207 (b), by 0.78, rounding the product to the nearest whole mpg; or

(ii) For general labels for alcohol dual fuel and natural gas dual fuel automobiles:

(A) Multiply the highway model type fuel economy calculated from the tests performed using gasoline or diesel test fuel as determined in § 600.207 (b)(5)(i) by 0.78, rounding the product to the nearest whole mpg; and

(B) Multiply the highway model type fuel economy calculated from the tests performed using alcohol or natural gas test fuel as determined in § 600.207 (b)(5)(ii) by 0.78, rounding the product to the nearest whole mpg; or

(2)(i) For specific labels for gasoline-fueled, diesel-fueled, alcohol-fueled, and natural gas-fueled automobiles, multiply the highway model type fuel economy value determined in § 600.206 (a)(iii), by 0.78, rounding the product to the nearest whole mpg; or

(ii) For specific labels for alcohol dual fuel and natural gas dual fuel automobiles:

(A) Multiply the highway model type fuel economy calculated from the tests performed using gasoline or diesel test fuel as determined in § 600.206 (a)(2)(iii) and (4)(i) by 0.78, rounding the product to the nearest whole mpg; and

(B) Multiply the highway model type fuel economy calculated from the tests